



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 18] NEW DELHI, SATURDAY, MAY 5, 1990 (VAISAKHA 15, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 5th May 1990

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor, Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadivi, Minicoy and Iminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharaya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकसू तथा अभिकल्प

कलकत्ता, दिनांक 5 मई 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, बिल्डी एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार इन के आधार पर निम्न रूप में प्रवर्धित हैं :—

पेटेंट कार्यालय शाखा,
टोपी हस्टेट,
तीसरा तल, लोअर परले (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं
दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तामिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी,
लक्षद्वीप, मिनिकाय तथा
एमिनिदिबि द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय वृहत्तम कार्यालय भवन,
5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंटोफिस” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
उपरोक्त सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय के केंद्र उपयुक्त कार्यालय में ही प्राप्त किए
जाएंगे ।

शुल्क :—शुल्कों की अवायगी या तो रकद की जायेगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा बैंक वारा की जा सकती है ।

THE PATENT OFFICE

Calcutta, the 5th May 1990

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed Under Section 135, of the Patents Act, 1970.

The 26th March 1990

240/Cal/90. Tamfelt, Inc. Seam for work fabric and
method of manufacture thereof.

241/Cal/90. Ibico, Inc. Security binding.

242/Cal/90. (1) Mitsui Toatsu Chemicals, (2) Kuraray Co.
Ltd. Purification and preparation processes for
methyl methacrylate.

243/Cal/90. Krone Aktiengesellschaft. Connector bank
with voltage surge protection.

244/Cal/90. Samsung Electron Devices Co., Ltd. Cathode
assembly for cathode ray tube.

The 27th March 1990

245/Cal/90. Siemens Aktiengesellschaft. Interface module.

246/Cal/90. Siemens Aktiengesellschaft. Reducing station
having a safety function in a negative direction
of action.

247/Cal/90. Siemens Aktiengesellschaft. Servo drive for
safety and regulating valves.

248/Cal/90. Roquette Freres. Phytosanitary composition,
its process of preparation and its use for treat-
ing cryptogamic diseases.

249/Cal/90. Otto India Limited and Still Otto GmbH. Pro-
cess for the discharge of dry-quenched coke from
a coke cooling shaft and a unit for the imple-
mentation of this process.

APPLICATIONS FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,
THIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 12th March 1990

232/Del/90. Bharat Heavy Electricals Ltd., “A method
of reconditioning dot matrix print head assemblies
of computers”.

233/Del/90. Bharat Heavy Electricals Ltd., “An apparatus
for determining the specific heat ratio of gases
and mixture of gases”.

234/Del/90. Vsesojuzny Nauchno-Issledovatel'sky Institut
Textilno-Galantereynoi Promyshlennosti Nauchno-
Proizvodstvennogo Obiedinenia “TEXEILGALAN-
TEREYA”. “Material having biological activity
method for preparation thereof and dressing”.

235/Del/90. National Institute of Immunology. “Method
for control of fertility in females”.

236/Del/90. Edouard Malbec. “Cartridge for a peristaltic
pump with a flexible tube, and peristaltic pump
fitted with such a cartridge”.

The 13th March 1990

237/Del/90. Subhash Raswant, “Road traffic network”.

238/Del/90. Mrs. Meera Satpathy, "Novel pyramidal chamber".

239/Del/90. Alcan International Ltd., "Surface preparation for aluminium". (Convention date 17th March, 1989) (U.K.).

240/Del/90. La Soudure Autogene Francaise, "Method of forming a helical waveguide using a deposit screen".

241/Del/90. La Soudure Autogene Francaise, "Optical waveguides formed from multiple layers".

242/Del/90. La Soudure Autogene Francaise, "Method and apparatus for removing a helical waveguide from a mandrel".

The 14th March 1990

243/Del/90. Mahesh Chand Gupta, "A process for manufacturing of insulated miniaturised winding wires for submersible pump motors".

244/Del/90. Alphonatrad S.A., "Mine shaft conveyance system".

245/Del/90. Allied Signal Inc., "Process for the preparation of chlorine-resistant polyester semipermeable membranes".

246/Del/90. E. R. Souibb & Sons, Inc., "Interphenylene 7-oxabicyclo-heptyl substituted heterocyclic amide prostaglandin analogs useful in the treatment of thrombotic and vasospastic disease".

247/Del/90. National Institute of Immunology, "Recombinant vaccine for protection against rabies infection, process for preparation thereof and method of immunisation of subjects therewith".

The 15th March 1990

248/Del/90. Dr. Harish Abichandani & Others, "Continuous ghee manufacture with thin film scraped surface heat exchanger".

249/Del/90. Battery Technologies Inc., "Zinc anodes for alkaline galvanic cells, and cells containing them". (Convention date 6th November, 1989) (Canada).

The 16th March 1990

250/Del/90. Ashish Kumar, "Vial-cum-disposable-syringe".

251/Del/90. Exxon Chemical Patents, Inc., "Ozone-resistant butyl elastomers".

252/Del/90. Alcon International Ltd., "Process and apparatus for operating a deferred actuated battery".

253/Del/90. Alcan International Ltd., "Improved deferred actuated battery".

254/Del/90. Ciba-Geigy AG., "Compositions for treating water or aqueous systems". (Convention date 21st March, 1989) (U.K.).

255/Del/90. Laboratorios Del Dr. Esteve S. A., "Substituted azetidinyldipyronecarboxylic acid derivatives, their preparation and their application as medicinal products".

256/Del/90. Balcke-Durr Aktiengesellschaft, "A method of manufacturing a heat exchanger". (Divisional date 26 March 87).

APPLICATIONS FOR PATENTS FILED AT THE OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 12th March 1990

178/Mas/90. Venugopal Desikan, "An external-combustion Engine with Radial-in-Rotary".

179/Mas/90. Maschinenfabrik Rieter AG. Method and apparatus for the laying of an auxiliary thread onto a yarn carrier of a spinning machine.

180/Mas/90. Maschinenfabrik Rieter AG. Handling apparatus for yarn piecing.

181/Mas/90. Baltimore Aircoil Company, Inc. Adsorption refrigeration method and apparatus.

The 13th March 1990

182/Mas/90. Vittal Rao Negoji Rao Radami. Elegant, easily operable, cover for Indian Water Closets, made of strong yet light materials like wood, plastics (Plain or reinforced), fibre-glass, stainless steel sheets (or of other metals) and the like unbreakable materials, which in the closed position while encompassing the entire closet assembly, besides obstructing the Indian Water Closet from view, offers a strong flat surface on which one can tread upon, thus providing invaluable extra floor area of utility.

183/Mas/90. David Rozenwasser. Fine jewellery rope chain.

184/Mas/90. Vereinigung zur Forderung des Instituts für Kunststoffverarbeitung in Industrie und Handwerk an der Rhein.-Westf. Technischen Hochschule Aachen e.v. Process for controlling the after-pressure phase during the injection-molding of thermoplastic materials.

185/Mas/90. Maschinenfabrik Rieter AG. Thread tube.

The 14th March 1990

186/Mas/90. Asea Brown Boveri Inc. Amorphous core joint containment.

187/Mas/90. Peavey Electronics Corporation. Microphones.

188/Mas/90. Minnesota Mining and Manufacturing Company. A connector for cables.

189/Mas/90. Societe des Produits Nestle S.A. A DNA probe for *lactobacillus delbrueckii*.

190/Mas/90. Societe des Produits Nestle S.A. A DNA probe for *lactobacillus helveticus*.

The 15th March, 1990

191/Mas/90. Alusuisse-Lonza Services Ltd. Molten metal filtration system and process.

192/Mas/90. Bernard Hooper. Stepped piston engine (March 18, 1989; United Kingdom).

193/Mas/90. Bernard Hooper. Internal Combustion engine. (March 18, 1989; United Kingdom).

194/Mas/90. Schlumberger Holdings Limited. A sonic well tool transmitter and receiver array including an attenuation delay apparatus.

195/Mas/90. Maschinenfabrik Rieter AG. Method and device for the exchange of full packages by tubes on a spinning machine.

196/Mas/90. Institut Francais Du Pétrole. Method of removing the mercury and any arsenic in hydrocarbons.

The 16th March, 1990

197/Mas/90. Refurbished Turbine Components Limited. Turbine blade repair.

198/Mas/90. Refurbished Turbine Components Limited. Turbine blade repair.

199/Mas/90. Board of Regents, The University of Texas System. An apparatus for making a map of the conductivity of a cross section of the earth.

(Divisional to Patent Application No. 374/Mas/86).

200/Mas/90. Board of Regents, The University of Texas System. An apparatus for obtaining a resistivity survey of the earth's surface.

(Divisional to Patent Application No. 374/Mas/86).

The 19th March, 1990

201/Mas/90. Hamon-Sobelco S.A. Packing device for an installation for bringing a liquid and a gas into contact.

202/Mas/90. Maschinenfabrik Rieter AG. Control system for a textile machine.

203/Mas/90. Edward Albert Mann and Trevor Stanley Smith. Production and use of anthelmintic agents and protective immunozens. (March 17, 1989; United Kingdom).

204/Mas/90. Sony Corporation. A tape loading-device for a cassette type tape recording and/or reproducing apparatus.

205/Mas/90. Snow Brand Milk Products Co., Ltd. A human-derived glycoprotein and physiologically active factor.

The 20th March, 1990

206/Mas/90. Lehigh University. Transient spectroscopic method and apparatus for inprocess analysis of molten metal.

207/Mas/90. Hans Georg Huber. An appliance for the removal of rakings and/or screenings out of a liquid flowing in a launder.

208/Mas/90. Aage Bisgaard Winther. Compression refrigerating system with oil separator.

209/Mas/90. Sulzer-Escher Wyss AG. Method for reusing waste sulphuric acid.

The 21st March, 1990

210/Mas/90. Shell Internationale Research Maatschappij B.V. Titania extrudates. (March 23, 1989; Great Britain).

211/Mas/90. Indian Space Research Organisation (ISRO Headquarters). A novel process for the production of high purity precipitated silica from rice husk ash.

The 22nd March, 1990

212/Mas/90. Union Carbide Chemicals and Plastics Company Inc. Zeolite modified waterblown polyurethane foams.

The 23rd March, 1990

213/Mas/90. Refurbished Turbine Components Limited. Method of repairing or modifying turbine blades. (March 28, 1989; United Kingdom).

214/Mas/90. JS Telecom. A french company organized under the laws of France.

215/Mas/90. Agromen Agramenedzseri KFT: Orszagos "Frederic Joliot-Curie". Sugarbiologiai Es Sugarregeszegugyi Kutato Intezet and Magyar Kulkereskedelmi Bank RT. Silicon-containing environment-protective agent adsorbing radioactive metal isotopes and toxic heavy metals and a pharmaceutical composition containing same.

216/Mas/90. Institut Francais Du Petrole. New Thiophosphoretted compounds, their preparation and their use as additives for lubricants.

PRINTING SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted Specifications are available for sale from the Patent Office,

Calcutta; and its branches at Bombay, Madras and Delhi at two rupees per copy.

(1)

137393 137395 137396 137398 137399 147423 137430
137434 137435 137436 137437.

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137678 137691 137695.

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140339.

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142965 142966 142972 142975 142977 142988 142991
143009 143012 143018.

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143014 143026 143029 143034 143036.

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157346 157347 157348 157349 157350 157351 157352
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157354 157355 157356 157357 157358 157359 157360
157361 157362 157363 157464 157365 157366 157367
157368 157369.

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157377.

PATENT SEALED

164917 165101 165120 165121 165130 165134 165143
165233 165240 165249 165251 165259 165260 165261
165263 165266 165267 165274 165275 165276 165298
165302 165304 165305 165306 165307 165308 165309
165315 165317 165341.

CAL - 5

MAS - 17

DEL - 9

BOM - NIL.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that IEL Limited now renamed as ICI India Limited, an Indian Company of ICI House, 34, Chowringhee Road, Calcutta 700071, West Bengal, India have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 165052 for Process for the production of Conjugated Compounds of Polyunsaturated fatty substances.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

AMENDMENTS

SPECIFICATION NO. 164461

In pursuance of leave granted on 19th March, 1990 under Section 78 of the Patents Act, 1970 the specification has been amended as follows:—

DELETE CLAIM 13.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Henkel Kommanditgesellschaft auf Aktien and Hoechst Aktiengesellschaft, a Company organised under the Laws of the Federal Republic of Germany, have made an Application under Section 57 of the Patents Act, 1970, for amendment of the specification of their Application for Patent No. 165969 for "An evaporation inhibitor composition for spray mixtures of agricultural chemicals & process for preparing the same". The amendments are by way of correction.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Madras.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

142454	145854	146241	146260	146305	146324	146643
146871	146956	147145	147178	147294	147295	147352
147475	147529	148060	148106	148259	148260	148333
148409	148479	148481	148488	148613	148620	148866
148921	148981	149090	149199	149471	149649	149817
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154209	154251	154420	154544	154589	154594	154741
154821	154822	154832	155021	155023	155178	155181
155502	155554	155582	155689	155798	155873	155874
155908	155911	155975	156017	156046	156078	156102
156140	156438	156473	157025	157086	157095	157193
157397	157520	157521	157539	157592	157653	157655
157671	157672	157678	157799	157847	157860	157900
157976	158022	158264	158338	158419	158423	158443
158444	158446	158457	158594	158618	158647	158691
158747	158768	158770	158773	158807	158808	158945
158996	158997	159009	159050	159125	159149	159152
159153	159154	159250	159269	159279	159294	159302
159337	159484	159545	159611	159731	159732	159762
159791	159842	159982	160150	160157	160203	160223
160357	160359	160449	160450	160451	160539	160576
160734	160801	160991	160992	160995	161022	161330
161485	161508	161660	161691	161695	161725	161789

161809	161868	161871	161906	161939	161996	161997
162025	162065	162111	162212	162244	162246	162303
162403	162451	162500	162525	162532	162557	162573
162644	162651	162666	162783	162799	162813	162815
162843	162904	163048	163283	163285	163355	163454
163472	163485	163575	163623	163744	163793	163812
163828	163829	163831	163911	163912	163918	164002
164009	164084	164087	164113	164115	164179	164216
164265	164594	164592	164670	164784	164785	164881
164885	164911	165050	165059	165084	165088	165089
165090	165091	165146	165147	165148	165149	165150
165151	165205	165206				

CESSATION OF PATENTS

162118	163379	163952	164003	157862	148642	158914
163552	163840	161727				

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अन्वय का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति से पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर अर्पित एक महीने की अवधि से अधिक न हो के भीतर कभी भी निबंधक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइन किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण से अनुसृत हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियां, भारत सरकार बूक डिपॉ, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय होते, यथा समय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटों प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियां यहाँ आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश का पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उस 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटों लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. CLASS : 25D

166411

Int. CL¹ : C04B 35/00.

IMPROVEMENTS IN OR RELATING TO A PROCESS FOR THE PREPARATION OF CERAMIC MAGNETS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1960).

Inventor(s) : JAYARAM LAXMANRAO GUMASTE, RAMCHANDRA KRISHNARAO GALGALI, BISHNU CHARANARABINDRA MOHANTY.

Application for Patent No. 503/Del/84 filed on 21st June, 1984.

Complete specification left on 20th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A process for making oriented ceramic magnet which comprises heating precipitate grade goethite (α -FeOOH) to transform it to α -Fe₂O₃, the resultant α -Fe₂O₃ is mixed with water and barium carbonate in a ball mill & drying the aqueous slurry characterised in that the sizes of α -FeOOH and BaCO₃ employed range from 0.1—1.0 μ m, the aqueous slurry is directionally compacted in a double acting floating die at 0.5 to 1 ton/cm² pressure, the compacted material is dried at 110°C for 2 hrs, the dried material is sintered topochemically at a temperature in the range of 1110°—1250°C and the sintered product is magnetised by known methods.

Complete specification 6 pages.

Provisional specification 4 pages.

Ind. CLASS : 12CD

166412

Int. CL¹ : C21D 9/567.

A FLUIDIZED FOR APPARATUS FOR HEAT TREATING AUSTENITIZED STEEL WIRES.

Applicant : N. V. BEKAERT S.A., A PUBLIC COMPANY ORGANISED UNDER THE LAWS OF BELGIUM, OF BAKAERTSTRAAT2, B-8350ZWEVEGEM, BELGIUM.

Inventor(s) : MICHEL NEIRYNCK.

Application for Patent No. 139/Del. 86 filed on 20 February, 1986.

Convention date March 4, 1985/8505491/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A fluidized bed apparatus for heat treating anstentized steel wires comprises :

a first fluidized located in a first fluidized zone (Q) for quenching said wires;

a second fluidized bed located in transformation-soaking zone (TR-S) where transformation of said quenched wires take place;

said first fluidized bed zone heating means connected to said first fluidized bed zone heating means connected to said transformation-soaking zone characterised by means of the kind as herein described connected to said first fluidized bed zone for providing hot fluidizing gases for heating said first fluidized bed and said transformation soaking zone is divided into a plurality of chambers, each chambers being provided with separately controllable heating means so that the temperature of the two zones are controllable independently of each other.

Compl. specn. 32 pages

Drg. 5 sheets

Ind. CLASS : 40E

166413

Int. CL⁴ : B01 D-53/02.

PRESSURE SWING ADSORPTION PROCESS FOR THE SEPERATION OF HYDROGEN, METHANE, CARBON DIOXIDE AND THE LIKE AND A SYSTEM FOR CARRYING OUT THE PROCESS.

Applicant : UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF STATE OF NEW YORK, UNITED STATES OF AMERICA; WITH OFFICES AT: OLD RIDGEBURY ROAD, DENBURY, STATE OF CONNECTICUT, 06817, UNITED STATES OF AMERICA.

Inventor(s) : KIRIT MOHANNBHAI PATEL.

Application for Patent No. 148/Del/86 filed on 21 February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

13 Claims

A pressure swing adsorption process for the separation of hydrogen, methods, and the like by selective adsorption thereof from a feed gas mixture consisting of a more readily adsorbable component and a less readily adsorbable component such as mixture of hydrogen, carbon dioxide,

nitrogen, impurities, and mixture of methane, carbon dioxide, ammonia and the like in a following cyclic sequence :

- (a) passing said feed gas mixture to the feed end of a bed for higher pressure adsorption and withdrawing product effluent from the product end thereof.
- (b) cocurrently depressurizing the bed to intermediate pressure to release void space gas from the bed.
- (c) countercurrently depressurizing and purging the bed to a lower desorption pressure and
- (d) repressurizing the bed to said higher pressure, [of step (a)], in which the void space gas released from one bed passes to the product end of another bed initially at a lower pressure to equalise the pressure there-between, and the other bed also being repressurized by a portion of the product effluent withdrawn from a bed undergoing adsorption at said higher pressure, characterized by
 - (i) introducing said feed gas mixture for higher pressure adsorption into a cyclically varying beds between "n" and "n-1", where "n" is equal to or greater than 2 through out each processing cycle in the system, with the adsorption time per cycle being the same in each bed so that each bed receives the same number of feed moles/cycle; and
 - (ii) passing a portion of the product effluent withdrawn from the product end of the bed undergoing adsorption at said higher pressure directly to bed undergoing repressurization for final repressurization to said higher adsorption level, without the necessity for passing a portion of the product effluent directly to the bed undergoing repressurization during the partial repressurization there by pressure equalization and without the passage of a portion of the product effluent to an external repressurization storage tank during said partial repressurization of a bed by pressure equalization; and
 - (iii) withdrawing a substantially uniform flow of product effluent from the step (c),

Whereby product recovery is enhanced without discontinuity in the substantially uniform flow of product effluent.

(Complete Specification 27 pages)

Ind. Cl. : 108B₁

Int. Cl.⁴ : C21B 11/00.

Title : "IMPROVED METHOD FOR THE PRODUCTION OF MOLTEN PIG IRON OR STEEL PRE-PRODUCTS FROM PARTICULATE FERROUS MATERIAL WITH THE RESULTANT GENERATION OF REDUCTION GAS".

Applicant : VOEST-ALPINE AKTIENGESellschaft, an-Austrian company, of 5, Muldenstrasse, A-4020 Linz, Austria and KORF ENGINEERING GmbH, a German company, of 111, Neusser Strasse, D-4000 Dusseldorf 1, Federal Republic of Germany.

Inventor(s) : ROLF HAUKE & WERNER KEPPLINGER.

Application for Patent No. 224/DEL/86. Filed on 11th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, New Delhi-110005.

(Claims-4)

An improved method for the production of molten pig iron or steel pre-products from particulate ferrous material such as prereduced iron sponge with the resultant generation of reduction gas which method comprises top-charging simultaneously pre-reduced particulate ferrous material and coke or coal particles into a first of upper fluidised zone of a melt-down gasifier, said fluidised zone being composed of fine coke particles maintained in suspension by means of an oxygen-free gas or a gas of low oxygen content whereby the carbon content of the pre-reduced ferrous material is maintained, passing the ferrous material from said upper fluidised zone to a second or lower zone comprising a fixed bed of coke particles injecting an oxygen-containing gas into said fixed bed in order to gasify said coke, the heat generated by said gasification superheating said ferrous material to cause it to melt, passing said molten ferrous material to a further zone located immediately below said second zone, said further zone also comprising a fixed bed of coke particles through which gas is injected whereby, in the absence of oxygen direct reaction occurs between the solid carbon and silicon and manganese present in said ferrous material as a result of which the carbon content of the molten material increases and collecting said superheated, carburised molten material in a lowermost zone of said gasifier where it separates into an upper layer of slag and a lower layer of metal.

(Complete Specification Pages 9--Drawing Sheet 1)

Ind. Cl. : 92 D

Int. Cl.⁴ : A01 C 1/00, 1/06

Title : "COATING DEVICE FOR COATING PRODUCTS SUCH AS SEEDS"

Applicant : SOLVAY & CIE, A Belgian company, of 33 rue du Prince Albert, B-1050 Brussels, Belgium.

Inventor(s) : IGNACE GAGO, EMILE BERWART.

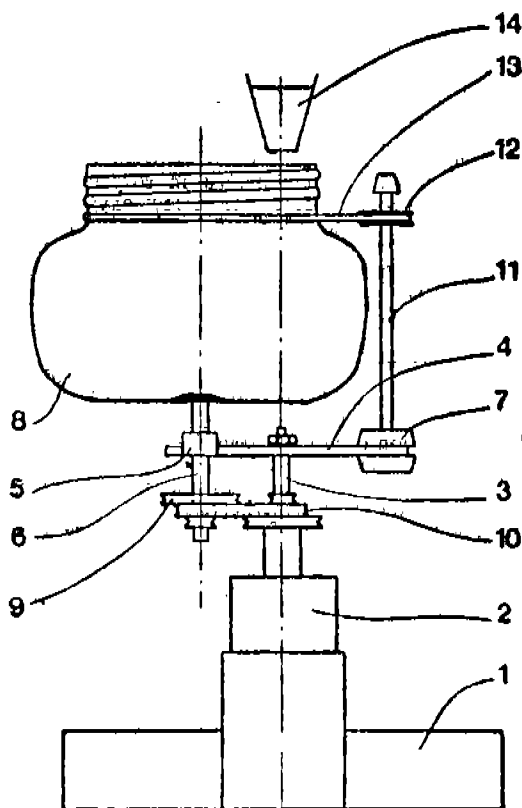
Application for Patent No. 410/Del/86 filed on May, 1986.

Appropriate office for opposition proceeding (Rule 4, Patent Rules 1972), Patent Office Branch, New Delhi-5.

(Claims-6)

A Coating device for coating products such as seeds, comprising at least one coating vessel to receive the products to be coated and the coating substances, driving means imparting to the vessel a rotary motion on itself about an axis of rotation, wherein the driving means also impart to the vessel a simultaneous planetary rotary motion around an axis parallel to this axis of rotation, a fixed carrier frame (1), a rotary motor (2) mounted on this carrier frame (1) connected to a rotary shaft (3), the end of said rotary shaft being equipped with a T-shaped carrier arm (4), one end of this carrier arm (4) being provided with a bearing casing (5) in which a shaft (6) parallel to the rotary shaft (3) of the motor (2) can turn freely and the other end being provided with a balancing counterweight (7), the coating vessel (8) being fixed at the central part of its bottom to the end of the shaft (6) and means for rotating the

shaft (6) said means comprising a set of cone-pulleys (9) fixed to this shaft (6) in a mechanical relationship with a second set of fixed cone-pulleys (10) mounted on the fixed carrier frame (1).



(Complete Specification—14 pages. Drawing Sheet 1)

CLASS : 55 E4; 32 F.

166416

Int. Cl.⁴ : C 07 D 291/08.

"A PROCESS FOR PREPARING A SUBSTITUTED BRIDGED-DIAZABICYCLOALKYL QUINOLONE CARBOXYLIC ACIDS"

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

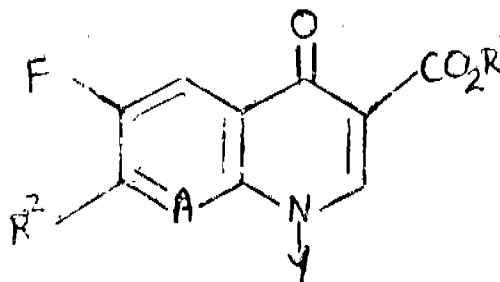
Inventors : MARTIN RAYMOND JEFSON & PAUL ROBERT MCGUIRK.

Application for Patent No. 740/Del/86 filed on 18th August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

A process for preparing a substituted bridged-diazabicycloalkyl quinolone carboxylic acids of the formula I as shown in the drawings or a pharmaceutically



acceptable acid addition salt thereof, wherein

R₁ is hydrogen, a pharmaceutically acceptable cation of the kind such as herein described, or (C₁-C₆) alkyl;

A is CH, CF, CCl or N;

Y is (C₁-C₃) alkyl, (C₁-C₃) haloalkyl, cyclopropyl, vinyl, methoxy, N-methylamino, p-fluorophenyl, p-hydroxyphenyl or p-aminophenyl; or

A is carbon and is taken together with Y and the carbon and nitrogen to which A and Y are attached to form a five or six membered ring which may contain oxygen, and which may have attached thereto a methyl or methylene radical, and

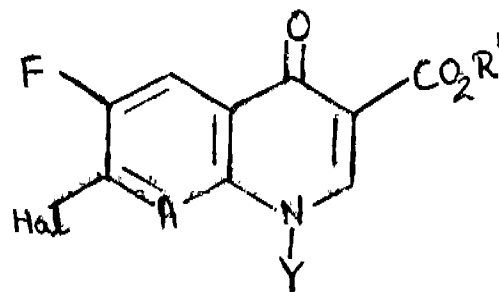
R₂ is a bridged-diazabicycloalkyl substituent selected from radicals of the formulae a, b, c, d & e

wherein m is 1 or 2;

n is 1, 2 or 3; and

p is 0 or 1; and

Q is hydrogen, (C₁-C₃) alkyl, (C₁-C₆) alkoxy-carbonyl or (C₁-C₆) alkyl-carbamoyl, which comprises reacting a compound of the formula II



wherein R₁, Y and A are as defined above and Hal is halogen, with a compound of the formula R²H wherein R² is as defined above, and, if desired, converting in any known manner the compound of formula I into a pharmaceutically acceptable acid addition salt.

Compl. specn. 42 pages.

Drgs. 11 sheets

CLASS : 69 I.

166417

Int. Cl.⁴ : H 02 J 1/04.

"MINIATURE VARIABLE INDUCTOR AND METHOD OF MANUFACTURING SAME".

Applicant : ALCATEL, OF 12 RUE DE 1A BAUME 75008 PARIS, FRANCE. A FRENCH BODY CORPORATE.

Inventor(s) : GUY BARBIER & JEAN-PAUL AMORY.

Application for Patent No. 770/Del/86 filed on 28th August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

6. Claims

Miniature variable inductor comprising :

a coil (4);

a pair of connecting skids (2, 3) soldered to said coil (4);

a resin encapsulating said coil (4) with the axial cavity of the coil open through said resin and a movable ferromagnetic core (5) with a screwthread (25) on at least one part of said core (5) characterised by an injection-moulded plastics cover (1) in the form of a hollow die having two oppositely disposed lateral walls (6, 7);

said connecting skids (2, 3) being clipped to said lateral walls (6, 7);

said cover (1) having a solid portion (8) thereof and a hollow chamber (10) between said two lateral walls (6, 7); and

a particularly threaded central opening extending through said two lateral walls (6, 7);

said solid portion (8) of the cover and said hollow chamber (10) and providing a housing for said core (5);

wherein said hollow chamber (10) defines a housing for the encapsulated coil (4) having its axial cavity coaxially aligned with said central opening; and

wherein said central opening has its threaded portion where it passes through said solid portion (8) of the cover (1);

said threaded portion of said opening corresponding to the screwthread (25) on said core (5).

Compl. specn. 16 pages.

Drgs. 4 sheets

CLASS : 32 E.

166418

Int. Cl.⁴ : C 08 F 30/08.

"A PROCESS FOR THE PRODUCTION OF COPOLYMERS FROM UNSATURATED POLYSILOXANES".

Applicant : CIBA-GEIGY AG., OF KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND, A SWISS CORPORATION.

Inventors : KARL FRIEDRICH MUELLER, DIETER LOHMANN AND ROBERT ALLAN FALK.

Application for Patent No. 778/Del/85 filed on 24th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.
2-47 GI/90

11 Claims

A process for the production of a polymer which comprises

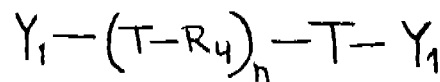
crosslinking and copolymerizing under the action of heat or irradiation of (A) from 5 to 75% by weight, of a linear or branched polysiloxane macromer having a molecular weight of 400 to 100,000, as measured by end group analysis or gel permeation chromatography;

said macromer containing at least one, preferably at least two terminal or pendant, polymerizable olefinic groups; and

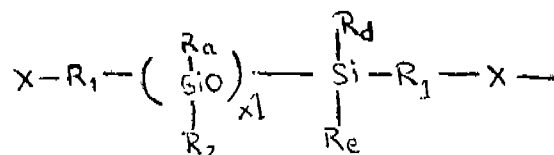
at least one such polymerizable olefinic group per each 5000 molecular weight unit of polysiloxane;

said groups being attached to the polysiloxane through one urethane, thiourethane or urea linkage;

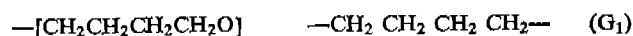
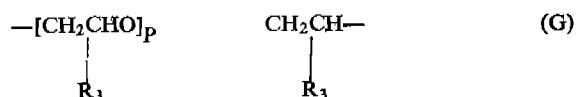
said macromer having the structure as shown in formula A₃ of the accompanying drawings wherein :



T is the group as shown in Formula I of the accompanying drawings,



R₁ is a linear or branched alkylene group with 2-6 carbon atoms or a polyoxyalkylene group of structure G or G₁;



wherein R₃ is hydrogen or methyl and p is an integer from 1-50, R₂, R_a, R_d, and R_e are independently methyl or phenyl, x₁ is an integer from 1 to 500

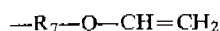
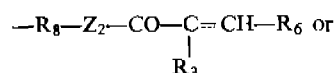
X is



Z₁ is oxygen, sulfur or NR₅, where in R₅ is hydrogen or

C₁-C₄-alkyl, Z₁ is connected to R₁;

Y₁ is



wherein

R₆ is : hydrogen, methyl, -COOR₅ or -COOR₅OH, Z₂=oxygen or -NR₅-

R_1 is an alkylane group of from 2 to 6 carbon atoms;
 R_2 is a diradical obtained by removing the NCO-groups
 from an aliphatic, cycloaliphatic, araliphatic or aromatic diisocyanate;

n is 1 to 10, and

(B) 95 to 25% by weight of one or more mono-, di- or trifunctional vinyl monomer as herein defined, polymerizable by free radical polymerization.

Compl. specn. 66 pages.

Drgs. 3 sheets

CLASS : 32 E IX(1)I.

166419

Int. Cl.⁴ : B 29 D 11/00; C 08 F 299/00.

"A PROCESS FOR THE PRODUCTION OF HYDROGEL-FORMING POLYMERS."

Applicant : T R DEVELOPMENTS LIMITED, A BRITISH COMPANY OF 74 THE KNOLL, EALING, LONDON W13 BHJ, UNITED KINGDOM.

Inventor(s) : MENASHE TAHAN.

Application for Patent No. 1075/Del/85 filed on 18th December, 1985. Conventional Date December, 18, 1984/8431901/May 22, 1985/8513004, July 29, 1985/8519071 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

21 Claims

A process for the production of hydrogel-forming polymer for use in contact lenses and intraocular lenses which process comprises forming a reaction mixture comprising at least one hydrophilic monomer such as herein described and at least one cross-linking agent and then polymerizing as herein described the reaction mixture, the cross-linking agent comprising a sufficient amount of water-insoluble polyunsaturated polymeric cross-linking agent such as herein described and optionally at least one non-polymeric-ethylenically unsaturated cross-linking agent so that the polymerization forms a highly cross-linked hydrogel-forming polymer which contains at least 0.5% by weight of polymerized units polyunsaturated polymeric cross-linking agent.

Compl. specn. 42 pages.

Drg. 1 sheet

Ind. CLASS : 32 F 2b

166420

Int. Cl.⁴ : C07 D 209/04.

A PROCESS FOR THE SYNTHESIS OF NOVEL 2-SUBSTITUTED 1, 2, 3, 4, 6, 6a, 7, 11b, 12, 12a, DECAHYDROPYRAZINO (2:1:6.1) PYRIDO (3,4-b) INDOLES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

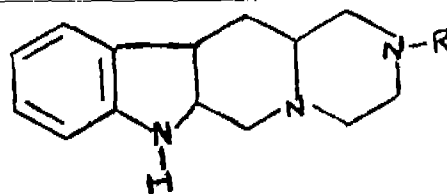
Inventor(s) : JYOTI RAO, ANIL KUMAR SAXENA, RAM MOHAN SAXENA, PRITHVIRAJ DUA, KIKHAB CHAND SRIMAL, VISHNUNATH BHALLA.

Application for Patent No 73/Del/88 filed on 29 January, 1988.

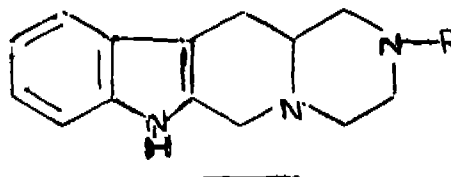
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of novel 2-substituted 1, 2, 3, 4, 6a, 7, 11b, 12-12 a decahydropyrazino 2:1:6.1 pyrido (3,4-b.) indoles of the formula 2



where R represents Hydrogen alkyl, aryl, which comprises reducing the corresponding 2-substituted 1, 2, 3, 4, 6, 7, 12, 12a octahydropyrazino (2:1:6.1) indole of the formula 1



where R represents as above by known methods at a temperature from 5° to -20°C under inert atmosphere for a period varying from 15 min to 24 hrs.

Complete specification 5 pages

Drg. 1 sheet

Int. CLASS : F 03 b 3/00

166421

HYDRAULIC TURBINE.

Applicant & Inventors : LOUIS WORMS, OF FRUITHO FLAAN 107-8B, BOX 114, 2600 BERCHEM, BELGIUM.

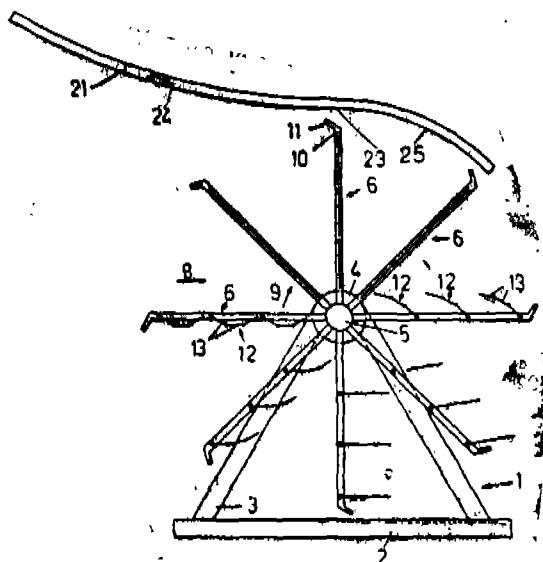
Application No. 753/Cal/1986 filed October 16, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Calcutta.

10 Claims

Hydraulic turbine with :

- a frame (1) with a flat-bottomed foot (2); and
- a rotor comprised of;
- a rotor shaft (5) rotatably mounted in the frame (1) and



- a plurality of vanes (6) which are each comprised of
- a holder (10) which defined a main vane plane which comprises the geometrical axis of the rotor shaft (5) and which is fixed relative to said rotor shaft (5);
- at least one blade (12);
- a hinged connection (14) between the blade (12) and the holder (10), along a geometrical hinge axis which lies in parallel relationship with the rotor shaft; and
- a stop (19) for the blade (12) on the holder (10), which stop (19) lies closer to the rotor shaft (5) than the hinged connection (14) and prevents the further hinging movement of the blade (12) relative to the holder (10) in the one rotating direction,

in which the frame (1) bears a baffle (21) a surface (24) of which directed towards the rotor leads to that rotor part which is farthest away from the foot.

Compl. specn. 13 pages

Drg. 3 sheets

Int. CLASS : A 23 k 1/00

166422

A PROCESS FOR OBTAINING IMPROVED SALSEED CAKE AND LIVESTOCK/POULTRY FEED SUPPLEMENT.

Applicant & Inventor : DR. BINOD KUMAR VARMA, ASSISTANT PROFESSOR OF CHEMISTRY, RANCHI VETERINARY COLLEGE, RANCHI-7, INDIA.

Application No. 764/Cal/1986 filed October 21, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for obtaining improved salseed cake as a livestock/poultry feed supplement which comprises subjecting the defatted salseed cake to an extraction step using aqueous methanol characterized in that said aqueous methanol is mixture of (90% methanol and 10% water) and is used in a ratio of cake to aqueous methanol of 1 : 3, said extraction being carried out at room temperature followed by recovering the aqueous methanol extracted material in the usual manner and recovering and reusing the recovered aqueous methanol.

Compl. specn. 5 pages

Drg. Nil

CLASS : 15-C; D

166423

Int. Class : F 16 c 33/00; 33/72.

A BEARING SEAL FOR A BEARING ASSEMBLY IN A ROTATING SHAFT ASSEMBLY.

Applicant : WARMAN INTERNATIONAL LIMITED, OF 4-8 MARDEN STREET, ARTARMON, NEW SOUTH WALES 2064, AUSTRALIA.

Inventors : ANTHONY GRZINA.

Application No. 769/Cal/1986 filed October 21, 1986.

Convention dated 22nd October, 1985; No. PH 3024; Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A bearing seal for a bearing assembly in a rotating shaft assembly comprising :

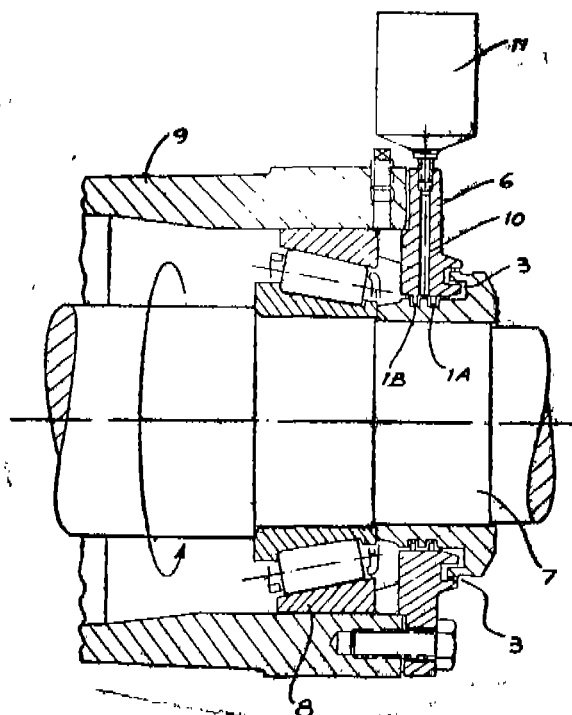
at least two piston rings, spaced apart from each other to extend into a respective recess in said rotating shaft assembly to form an inner sealing element;

a labyrinth passage forming an outer sealing element;

a passageway extending externally of the bearing assembly into a space between at least two of the said spaced apart piston rings; and

an automatic grease feeder connected to said passageway to discharge grease into the said space;

whereby grease discharged from said automatic feeder flows under pressure over said piston rings to cause a layer of grease to lie between said piston rings and the rotating shaft assembly, and to flow through said labyrinth and through said inner sealing element to form a seal against the ingress of material past the bearing seal.



Compl. specn. 7 pages

Drg. 2 sheets

CLASS : 50-B

166424

Int. Cl. : F 25 d 17/00.

CROSSFLOW COOLING TOWER SPLASH BAR.

Applicant : RESEARCH-COTTRELL, INC., OF 1400 ROUTE 206 NORTH BEDMINSTER, NEW JERSEY-07921, U.S.A.

Inventors : (1) DAVID WILSON, (2) STEPHEN CARL HEIDL.

Application No. 775/Cal/1986 filed October 23, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A crossflow cooling tower splash bar comprising :

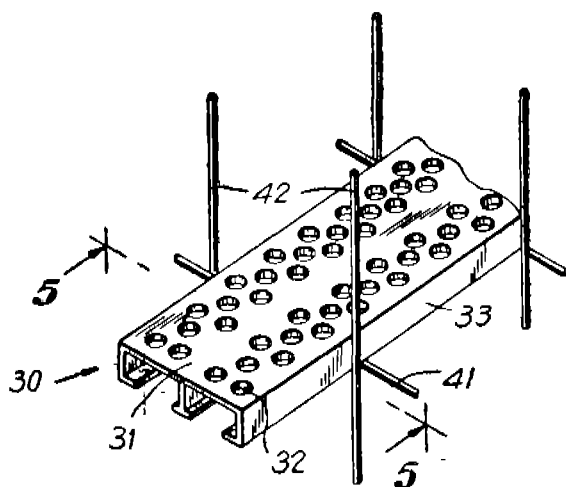
a substantially horizontal;

longitudinally extending surface having a pair of longitudinally extending;

downwardly oriented vertical sides, each of said sides having a longitudinally extending;

inwardly projecting flange at the lower edge, and at least one longitudinally extending;

downwardly oriented rib section between said sides, each of said rib sections having a longitudinally extending flange projecting transverse of said rib section.



Compl. specn. 9 pages

Drg. 3 sheets

CLASS : 21-C

166425

Int. Class : A 43 b 23/17.

A PROCESS FOR PRODUCING A THREE DIMENSIONAL STIFFERING ELEMENT.

Applicant : GIULINI CHÉMIE GMBH., OF GIULINI-STR. 2,6700 LUDWIGSHAFEN, WEST GERMANY.

Inventors : (1) HERALD BREHMER, (2) EMIL WILDING.

Application No. 802/Cal/1986 filed November 04, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for producing a three-dimensional stiffening element from at least one meltable plastic powder such as herein described comprising :

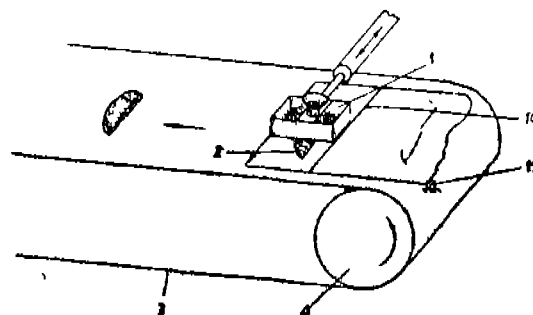
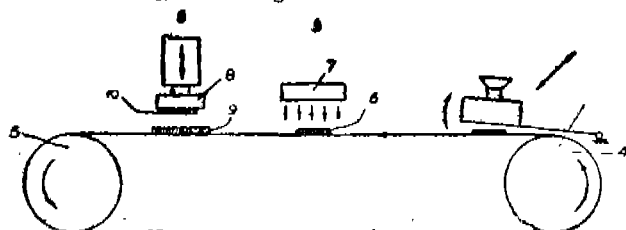
applying the powder with the aid of a template to an auxiliary carrier;

compressing and sintering the powder on the auxiliary carrier with a hot moulding plug to obtain a blank;

lifting the moulding plug with the blank held thereon due to greater adhesion of the blank to the moulding plug than to the auxiliary carrier, thereby removing the blank from the auxiliary carrier, and melting the sintered plastic particles of the blank which are in contact with the moulding plug;

disposing a substrate below the blank held on the moulding plug; and

transferring the melted blank onto the substrate disposed therebelow by lowering the further melted blank, held on the moulding plug, into contact with the substrate and removing the moulding plug, leaving the melted blank adhered on the substrate due to greater adhesion of the further melted blank to the substrate than to the moulding plug, the melted blank then transferred to the substrate forming a three-dimensional stiffening element.



Compl. specn. 18 pages.

Drg. 1 sheet.

Int. CLASS : B 24 b 15/00; B 02 c 4/00

166426

ARTICLES EMBODYING A WEAR RESISTANT SURFACE LAYER.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT 06095, U.S.A.

Inventors : (1) CAMPBELL MCKERROW, (2) WILLIAM HOUSTON STEWART, JR.

Application No. 803/Cal/1986 filed November 05, 1986.

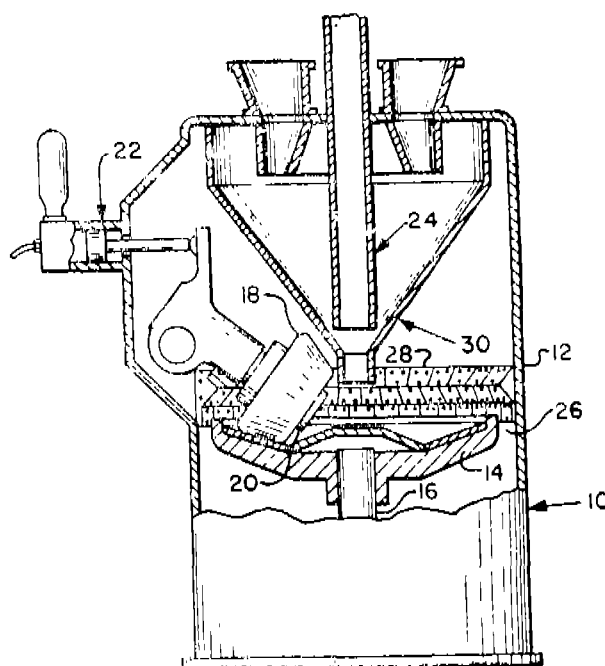
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A grinding roll for use in a bowl mill comprising :
a body portion formed of a relatively soft;

easily machinable material such as gray iron and at least an outer surface layer formed of an abrasion resistant material having as cast a composition;

by weight percentages of 3.2%–3.4% carbon, 1.45%–1.65% Silicon, 0.4% maximum manganese, 4.5%–5.0% Nickel, 4.0%–4.25% Chromium, 0.4%–0.5% Phosphorous, 0.9%–0.11% Sulfur, 0.4%–0.5% Molybdenum, (and when desired 0.015% nominal Bismuth).



Compl. specn. 18 pages.

Drg. 1 sheet

Int. CLASS : F 02 d 13/00

166427

RECIPROCATORY MACHINES.

Applicant : GALBRAITH ENGINEERING PTY. LTD.,
OF 9 MONTREAL ROAD, WEST MIDLAND, WESTERN
AUSTRALIA, 6056, AUSTRALIA.

Inventors : PETER AFTON GALBRAITH.

Application No. 805/Cal/1986 filed November 05, 1986.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

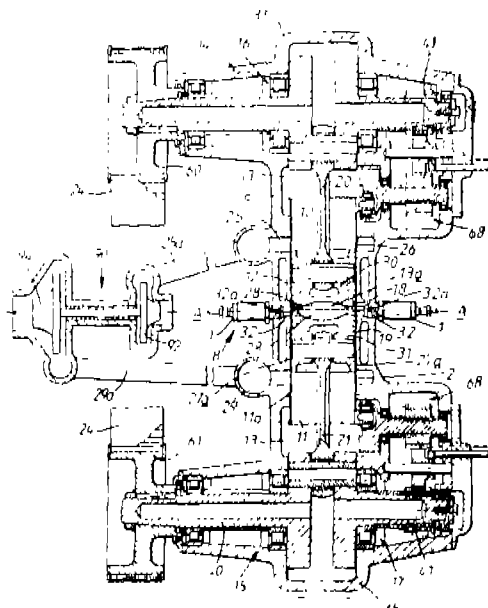
A reciprocatory machine comprising :

means defining a working chamber;

at least one piston reciprocable within the chamber;

displaceable means associated with the piston or pistons
and adapted to translate reciprocating movement of
the piston or pistons into rotational movement or
vice versa;

intake and exhaust ports for the working chamber and
respective valve means for said ports additional to
said pistons, and wherein said intake and exhaust
ports are disposed at or adjacent to respective ends
of the working chamber and means is provided for
adjusting the timing relationship between the dis-
placement of the translating means and the valve
means and thereby the timing relationship between
the respective valve means.



Compl. specn. 24 pages

Drg. 3 sheets

CLASS : 55-E.

166428

Int. Class : A 61 k 39/29.

PROCESS FOR PREPARING HEPATITIS B SURFACE ANTIGEN.

Applicant : PHILLIPS PETROLEUM COMPANY, OF
BARTLESVILLE, STATE OF OKLAHOMA, UNITED
STATES OF AMERICA.

Inventors : (1) JUERG FRIEDRICH TSCHOPP, (2)
MICHAEL MILLER HARPOLD, (3) JAMES MICHAEL
CREGG, (4) RICHARD GORDON BUCKHÖLZ.

Application No. 819/Cal/1986 filed November 12, 1986.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for preparing hepatitis B surface antigen
characterized by :

cultivating a yeast strain transformed with

(1) A DNA fragment optionally comprised within a
plasmid together with bacterial plasmid DNA, a
selectable yeast marker gene, and a yeast auto-
nomous replication sequence, said DNA fragment
comprising :

(a) a regularity region which is capable of con-
trolling the transcription of messenger RNA
when positioned at the 5' end of the polypep-
tide encoding region wherein said regulatory
region is derived from *Pichia Pastoris* and
is responsive to the presence of methanol in
the culture medium with which a host organism
containing said DNA fragment is in contact;

(b) a polypeptide coding region wherein said cod-
ing region codes for hepatitis B surface anti-
gen or portions thereof said cultivation
being carried out in a nutrient medium which
comprises, methanol, a catabolite non-repress-
ing carbon source, or a mixture thereof, or
at least one catabolite repressing carbon and
energy source; and

when said carbon and energy source is a
catabolite-repressing carbon and energy source
subjecting the product of the cultivation step
to conditions of carbon source starvation, and
isolating and purifying said hepatitis B sur-
face antigen in the manner as hereinbefore
described.

Compl. specn. 39 pages

Drg. 11 sheets

CLASS : 94-G; E

166429

Int. Class : B 02 c 11/06; 25/00.

IMPROVED SAFETY CONTROL DEVICE FOR A COAL PULVERIZING MILL.

Applicant : THE BABCOCK & WILCOX COMPANY,
AT 1010 COMMON STREET, P.O. BOX 60035, NEW
ORLEANS, LOUISIANA 70160, U.S.A.

Inventors : (1) SCOTTY YOUNG JEWETT, (2) JOHN
WALTER ROBERTSON, JR., (3) GORDON DAVIES
WOOLBERT.

Application No. 823/Cal/1986 filed November 14, 1986.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

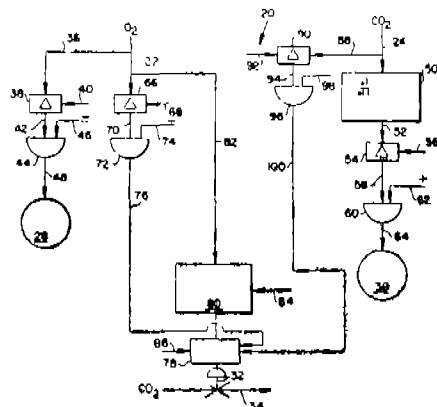
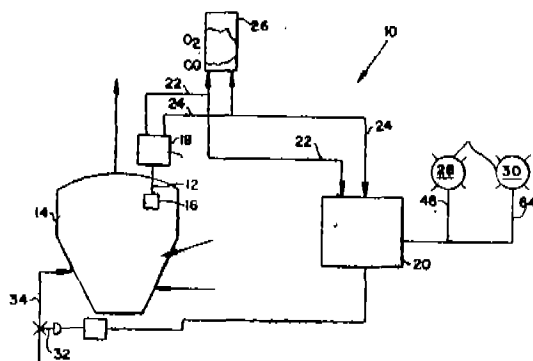
An improved safety control device for a coal pulverizing
mill comprising :

means, such as herein described, for determining the
rate of change of the level of carbon monoxide and
other combustible gases in the coal pulverizing mill
and establishing a signal indicative thereof and/or
for measuring the net oxygen level in the coal pul-
verizing mill and establishing a signal indicative
thereof;

means such as herein described, for comparing said
signal from said determining means and/or for com-
paring said signal from said net oxygen level measur-
ing means with a predetermined setpoint signal(s)
indicative of a potentially hazardous rate of change
of the level of carbon monoxide and other combustible
gases and/or of a potentially hazardous net oxygen
level, in the coal pulverizing mill and establishing a
first/second control signal(s) therefrom; and

alarm means such as herein described, responsive to
said first/second control signal(s), for indicating a

potentially hazardous condition in the coal pulverizing mill.



Compl. specn. 19 pages

Drg. 6 sheets

CLASS : 50-F

166430

Int. Class : F 25 d 31/00.

TRANSPORTABLE REFRIGERATING CONTAINER.

Applicant: FRANZ WELZ INTERNATIONALE TRANSPORT GESELLSCHAFT MIT BESCHRANKTER HAF-

TUNG, OF A-5021 SALZBURG, ERNEST-THUN-STRABE 8, AUSTRIA.

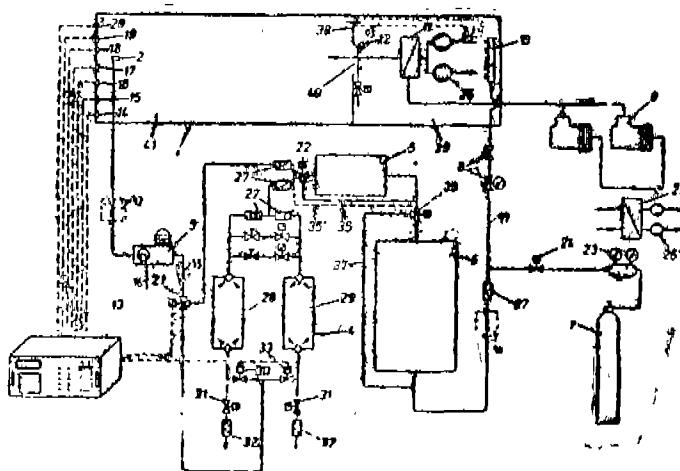
Inventors : RUDIGER WASSIBAUER.

Application No. 846/Cal/1986 filed November 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A transportable refrigerating container in which an atmosphere adapted to goods stored, for instance foodstuffs, is adjusted or maintained, wherefor atmosphere withdrawn from the refrigerating container is passed, optionally together with added environmental air over a circulating device containing water removing, refrigerating, humidifying and gas removing means, in particular molecular sieves, in which undesirable gas components such as O_2 , N_2 , CO_2 , ethylene and H_2O stream are removable under the control of a control unit, whereupon the atmosphere of modified composition is recycled to the refrigerating container, characterized in that the circulating device disposed in the interior of the refrigerating container (1), in particular in a compartment (39) separate from the storage space (41), comprises a fan or blower (26) blowing the atmosphere of modified composition discharged from the circulating device (4, 5, 6, 10) via the refrigerating means (11) and the humidifying means (12) back onto the goods stored, that the control unit (13) is connected to all the measuring sensors (14, 15, 16, 17, 18, 19, 20) detecting the individual operating parameters and comprises a memory unit for the set values of the operating parameters and an input unit for externally entered data such as duration of transport, type of goods, temperature, pressure or the like supplied on insertable data carriers such as punched cards, magnetic tapes, telephones modems, radio data transmission or the like, that the control unit (13) is connected to all the switching and control means of the refrigerating container (1), e.g. valves, switches and the like and switches on the circulating device (4, 5, 6, 10) for certain time intervals on determining deviations from set values of operating parameters and that the control unit (13) is optionally provided with a recording unit or a memory for the operating parameters prevailing or set during storage such as composition of the atmosphere, external and internal temperature, pressure, relative humidity and the like, the data optionally called for readout by inputting of a code.



Compl. specn. 19 pages

Drg. 1 sheets

Ind. CLASS : 206 E

166431

Int. Cl.⁴ : H 01 L 7/00.**IMPROVED METHOD OF MANUFACTURING A SEMICONDUCTOR MEMBER OF A SUBSTRATE UTILIZING MICROWAVE ENERGY.**

Applicant : ENERGY CONVERSION DEVICES, INC., A CORPORATION OF THE STATES OF DELAWARE, OF 1675, WEST MAPLE ROAD, TROY, MICHIGAN 48084, UNITED STATES OF AMERICA.

Inventor(s) : ANNETTE GAIL JOHNCOCK, STEPHEN JENKINS HUDGENS.

Application for Patent No. 309/Del/86 filed on 3 April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An improved method of manufacturing a semiconductor member on a substrate utilizing microwave energy, comprising :

placing said substrate in a substantially enclosed reaction vessel;

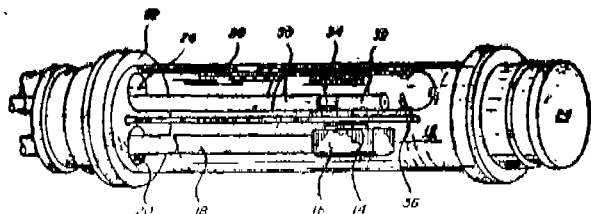
introducing into said vessel at least one reaction gas, having at least one semiconductor element to be deposited;

evacuating said vessel to an operating pressure about an order of magnitude below conventional RF deposition pressure;

coupling said microwave energy into said vessel to form a plasma in said vessel from said reaction gas, said plasma comprising a flux of depositing species, primarily free radicals, from the semiconductor element and molecular ions of the semiconductor element; and

depositing a semiconductor alloy material onto said substrate from said depositing species while causing the plasma potential to alter the flux of ion bombardment of the depositing species;

the step of causing said plasma potential comprising applying an external electrical bias to said substrate so that the ratio of the ion flux to the depositing species flux is in the range of 0.1 to 0.0001.



Compl. specn. 32 pages

Drg. 3 sheets

Ind. CLASS : 107 F

166432

Int. Cl.⁴ : F02B 19/12.**AN IMPROVED CENTRIFUGAL ADVANCE REGULATOR FOR THE IGNITION DISTRIBUTOR OF AN INTERNAL COMBUSTION ENGINE.**

Applicant : DUCELLIER ET CIE, OF 3/5 VOICE FELIX 94000 CRETEIL, FRANCE, A FRENCH COMPANY.

Inventor : PIERRE HERITIER-BEST.

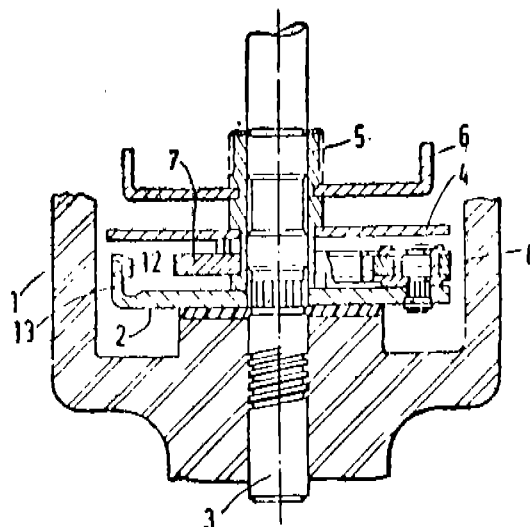
Application for Patent No. 586/Del/86 filed on 2nd July, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved centrifugal advance regulator for the ignition distributor of an internal combustion engine said

regulator having a casing (1) located in said casing a plate (2) integral with control shaft (3) and advance plate which turns on said shaft as well as two weights (7) mounted so as to pivot on one of the plates and which, under the effect of centrifugal force, provide an angular off set between said plates according to the engine speed and correspondings to a lead or lag in the admission, said movement being opposed by springs (9) elastically coupling plates (2, 4) and together and hooked on to said plates, and bear against terminal stops (12) fitted on plate (2) integral with control shaft (3), metal plate (2) in which are cut a and bent to right angles one pair of tabs (11) onto which is hooked one end of springs (9) and another pair of tabs (13) forming the terminal stops, characterized in that said tabs (12, 13) being provided with plastic inserts (12, 14) of a predetermined shape and said plastic inserts (12, 14) for at least one pair of tabs (11, 13) pointing outwards are moulded before bending said tabs into their functional position.



Compl. specn. 7 pages

Drg. 3 sheets

Ind. CLASS : 206 E + H₁

166433

Int. Cl.⁴ : H 03 F 3/00.**COMPOSITE AUDIO AMPLIFIER.**

Applicant : DAVID GEORGE BEALE, AN AUSTRALIAN CITIZEN, OF 52 CHAUCER WAY, KALAMUNDA, WESTERN AUSTRALIA 6076, AUSTRALIA AND JOHN DUMERGUE CHARTERS, AN AUSTRALIAN CITIZEN, OF 8 SAYER STREET, MIDLAND, WESTERN AUSTRALIA 6056, AUSTRALIA.

Inventor : DAVID GEORGE BEALE.

Application for Patent No. 660/Del/86 filed on 22 July, 1986.

Convention date July 22, 1985/PH1564, July 22, 1985/PH 1566 (Australia).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A composite audio amplifier comprising at least one symmetrical, dual polarity audio amplifier power supply and a class AB audio amplifier circuit, said symmetrical, dual polarity audio amplifier power supply comprising :

first positive (86) and negative (85) and second positive (83) and negative (84) unregulated DC inputs;

positive and negative regulated outputs (C, D) and a common output (87);

a first and second regulator circuit;

said first regulator circuit having at least one pass transistor (62) having an emitter connected to said first negative unregulated DC input (85) and a collector connected to said common output (87);

said second regulator circuit having at least one pass transistor (61) having an emitter connected to said second positive unregulated DC input (83) and a collector connected to said common output (87);

each said pass transistor (62, 61) having a pass resistor (67, 68) connected between the emitter and collector of said pass transistor (62, 61);

said first regulator circuit having means for deriving a reference signal from said negative regulated output and said second regulator circuit having means for deriving a reference signal from said positive regulated output;

said first and second regulator circuits having means for deriving power from said positive regulated output and common output and said negative regulated output and common output, respectively;

said class AB audio amplifier circuit comprising in combination;

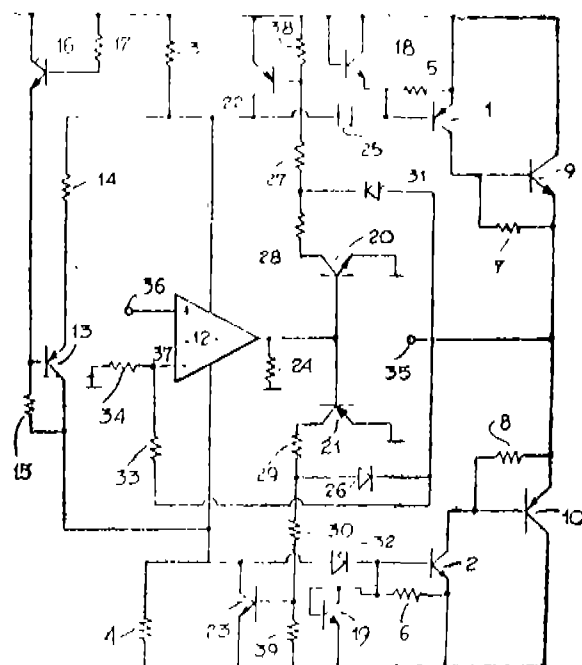
a primary operational amplifier (12) driving complementary power transistor output stages (9, 10);

means for supplying said complementary power transistor output stages with a bias current, said bias current supply means having bias current adjustment means to adjust said bias current in response to the temperature of at least one power transistor forming part of said complementary power transistor output stages;

a power output connected to said complementary power transistor output stages (9, 10) for supplying an output signal;

said primary operational amplifier comprising means for supplying a signal output to complementary symmetric first and second arms of a current shunt network, said current shunt network comprising means for shunting base current from said complementary power transistor output stages when said signal output of said primary operational amplifier exceeds a present maximum threshold and, at the same time, said signal from said power output drops below a present minimum threshold;

said current shunt network comprising means for allowing transient overload conditions.



Compl. specn. 39 pages

Drg. 10 sheets

Ind. Cl. : 24 D₃

166434

Int. Cl.⁴ : B 60 T 13/00.

"IN A BRAKING DEVICE WITH MULTIPLE EFFECTS SUCH AS AN EFFECT OF PARKING AND EMERGENCY BRAKING VIA AN ELASTIC RETURN MEMBER AN EFFECT OF SERVICE BRAKING BY PRESURIZED FLUID CONTROL, AND AN EFFECT OF RELEASE OF BRAKE BY PRESSURIZED FLUID CONTROL".

Applicant : POCLAIN HYDRAULICS, A FRENCH COMPANY, OF BOITE POSTALE NO. 12, 60410 VERBERIE, FRANCE.

Inventor : JEAN-CLAUDE LALLIER.

Application for Patent No. 700/Del/86 filed on 1st August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

In a Braking device with multiple effects such as an effect of parking and emergency braking via an elastic return member (21), an effect of service braking by pressurized fluid contact (17, 48), and an effect of release of brake by pressurized fluid control (12)—, constituted by :

- a housing (7) in which are housed at least one brake disc (13) fixed in rotation with respect to the housing,
- a shaft (5) mounted to rotate with respect to the housing and fast with, or forming part of a body having to be braked,
- at least one rotary brake disc (6), fast in rotation with the shaft and placed in contact with or, on the contrary, moved apart from the fixed disc,
- a first jack of which the element (15, 15a) axially mobile inside the housing constitutes the member controlling the pressurized fluid braking, and
- a second jack having a piston (18) which is distinct and independent of the mobile (15, 15a) element of the first jack, which defines, inside the housing, a brake-release chamber and to which is coupled said elastic return member of the parking and emergency braking,
- the mobile element (15, 15a) of the first jack and the piston (18) of the second jack being stacked axially in that order from one only (22) of the two ends of the alternate stack of the fixed (13) and rotary brake discs (6),

the mobile elements of the two jacks are each at least partly contained in the brake-release chamber (12) which, furthermore, contains the or each fixed brake disc (13) and the or each rotary brake disc (6).

Compl. specn. 14 pages.

Drgs. 3 sheets

Ind. Cl. : 152 E.

166435

Int. Cl.⁴ : C 09 K 3/00. C 08 L 23/00.

"SPRAYABLE & FOAMABLE INSULATING COMPOSITION".

Applicant : UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEAD-QUARTERS MIDDLEBURY, CONNECTICUT 06749 (USA).

Inventors : LUKE E. FITHIAN & FRANK CHARLES CESARE.

Application for Patent No. 733/Del/86 filed on 13th August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A sprayable and foamable composition possessing a Brookfield viscosity of less than 100,00 centipoise at shear rates of 5 sec or greater comprising :

- (A) At least one polymer selected from the group consisting of ethylene/alphaolefin copolymer, ethylene/alphaolefin/non-conjugated polyene terpolymer, polyacrylate, polymethacrylate, polyisoprene, polyacrylonitrile, polymethacrylonitrile and polybutadiene; said polymer having a molecular weight of between 500 and 20,000;
- (B) .5 to 5 parts by weight per 100 parts by weight of polymer of curative as herein described, and
- (C) .1 to 10 parts by weight per 100 parts by weight of polymer of a blowing agent as herein described having an activation temperature which is less than or about equal to the curing temperature of component (B),

Compl. specn. 18 pages.

Ind. Cl. : 63 A₉

166436

Int. Cl.⁴ : H 02 K 17/00.

"ELECTRICAL GENERATOR FOR WELDING AND OPERATING POWER TOOL".

Applicant : STARATFORD VOOGT, SOUTH AFRICAN CITIZEN, OF 49 PITOUT STREET, WHITFIELD, BAKSBURG, SOUTH AFRICAN JOHAN HENDRIK ZWIEGELAAR A SOUTH AFRICAN CITIZEN OF PLOT 63, KAALPLAATS, LOCK VAAL, SOUTH AFRICAN AND AM-PRODUKTE AG., OF PITATUSSATRASSE 64, 'ZAHRIJ-GEHEF', CH-6002 LUSERA SWITZERLAND.

Inventor : STRATFORD VOOGT, S.

Application for Patent No. 748/Del/86 filed on 19th August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

An electrical generator for welding and operating power tools, comprising :

a pulley driven alternator (10) having three output windings (A, B, C) in a delta configuration and a pair of rectifiers (D1, D4; D2, D3, D6) connected with the output winding;

voltage regulator (12) for controlling the alternator output; and

a capacitive voltage multiplier circuit;

the voltage regulator being supplied with rectified current from the alternator windings through the rectifiers and to control the current supplied to the field winding (R) of the alternator (10);

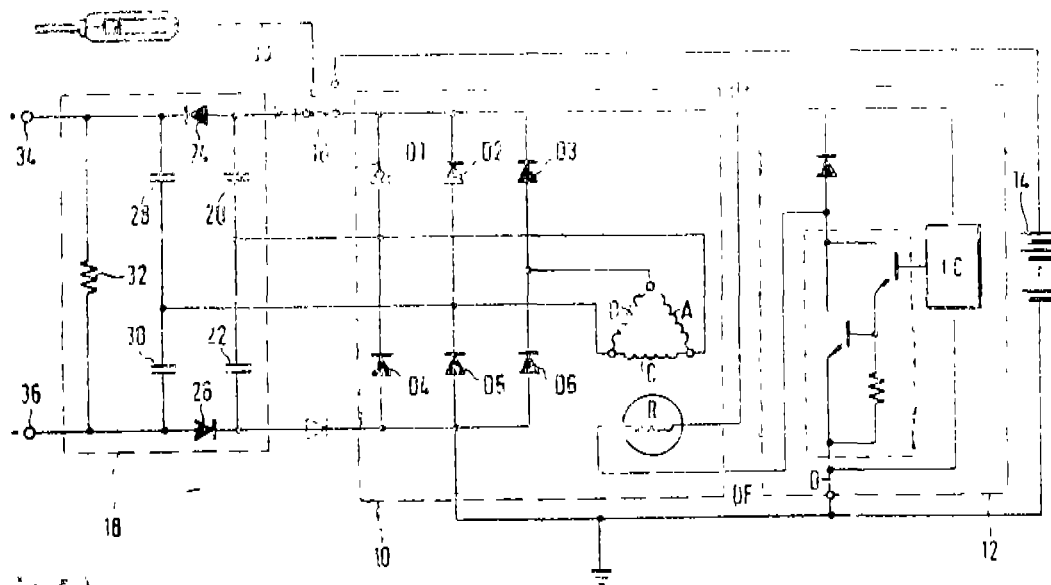
characterised in that the voltage multiplier circuit (18) comprises a first pair of series capacitors (20, 22) connected across the positive and negative poles of the rectified alternator output;

a first blocking diode with its anode connected to the positive pole of the rectified alternator output and a second blocking diode with its cathode connected to the negative pole of the rectified alternator output; and

a second pair of series capacitors (28, 30) connected between the cathode and anode respectively of the first and second blocking diodes (24, 26);

the opposite ends of one alternator output winding (C)

being connected intermediate the respective first capacitors of the first and second pairs of series connected capacitors (20, 22; 28, 30).



Compl. specn. 8 pages .

Dr. 1 sheet

Ind. CLASS : 32F₂(a) IX(1)

166437

Int. Cl.⁴ : C07D 107/06.

AN IMPROVED PROCESS FOR THE PREPARATION OF ACETOXY HYDRAZOBENZENE.

Applicant : NUCHEM PLASTICS LIMITED, OF 20/6, MATHURA ROAD, FARIDABAD-121006. INDIA, AN INDIAN COMPANY.

Inventor(s) : PRATHMESH BARAR & RAVINDRA MOHAN MEHTA.

Application for Patent No. 754/Del/86 filed on 20th August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An improved process for the preparation of acetoxy hydrazobenzene which comprises dissolving of acetoxy azobenzene in solvent as herein described with zinc dust, adding glacial acetic acid thereto characterized in that the acetoxy azobenzene in a finally divided form as herein described is present in the mixture in dispersed state, adding to this reaction mixture a water soluble inorganic reducing agent such as sodium sulphite, sodium metabisulphite and/or sodium hydrosulphite and the reaction is being carried out at a temperature of 5°C to 15°C.

Complete specification 8 pages.

Ind. CLASS : 128G XIX(2)

166438

Int. Cl.⁴ : A61G 11/00.

INCUBATOR FOR PREMATURE AND NEWBORN BABIES.

Applicant : DRAGERWERK AKTIENGESELLSCHAFT, A GERMAN COMPANY OF MOISLINGER ALLEE 53-55 D-2400 LOBECK, FEDERAL REPUBLIC OF GERMANY.

Inventor(s) : JOCHIM KOCH.

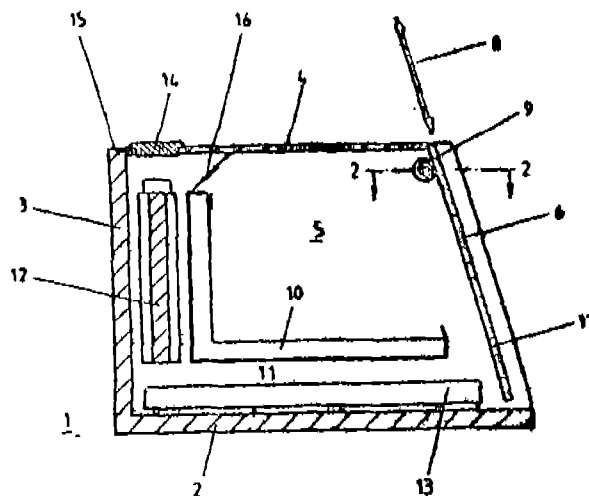
Application for Patent No. 767/Del/86 filed on 26 August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An incubator for premature and newborn babies which comprises :

- a housing (1) constituted by a bottom (2);
- an upright rear wall (3), oppositely disposed side walls (5, 5);
- a top wall (4) and a front wall (6) comprising an upwardly slidable plate member (6) capable of sliding upwards and downwards in substantially its own plane to open and close said housing (1);
- an L-shaped screen (10) positioned within said housing (1) with the horizontal limb (31) of said screen (10) overlying and spaced from the bottom (2) of said housing (1) thereby defining a horizontal convection channel (11) between said horizontal limb (31) and said bottom (2);
- the vertical limb (29) of said screen (10) spaced inwardly away from the upright rear wall (3) of said housing (1) thereby defining an upwardly extending convection channel (30) between said vertical limb (29) and said rear wall (3) and the upper edge of said vertical limb (29) being spaced from the top wall (4) of said housing (1);
- said upwardly extending convection channel (30) being in communication with said horizontal convection channel (11) with a heat source (12) located within said upwardly extending convection channel (30);
- a butterfly valve (16) provided between the top edge of the vertical limb (29) of said screen (10) and the top wall (4) of said housing (1) for controlling the flow of convection heat from said upwardly extending convection channel (30) to the central space of said housing (1) and a catch member (9) incorporating an elastically deformable compression element (22) provided at or near the level of the top wall (4) of said housing (1) for engaging the slidable plate (6) comprising said front wall (6) and retaining said plate (6) in any selected open position.



Compl. specn. 13 pages

Drg. 1 sheet

Ind. CLASS : 152-E

166439

Int. Cl.⁴ : C08L 27/06.

A PROCESS FOR THE MANUFACTURE OF RED MUD FILLED PVC COMPOSITE MATERIAL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIAN, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : NARAIN CHAND, AVINASH CHANDRA KHAZANCHI, PRADEEP KUMAR ROHTAGI.

Application for Patent No. 805/Del/86 filed on 10 September, 1986.

Complete specification left on November 27, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

A process for the preparation of red mud filled PVC material which comprises mixing 70-75% of waste polyvinyl chloride, 20-25% of red mud and 5-10% by wt of a foaming agent such as herein described at an elevated temperature in the range of 150-175°C.

Provisional specification 5 pages.

Complete specification 7 pages.

Ind. CLASS 194 C, 11

166440

Int. Cl.⁴ : H01J 29/48.

AN ELECTRON GUN FOR A CATHODE RAY TUBE AND METHOD OF MANUFACTURING A HEATING FILAMENT OF SAID ELECTRON GUN.

Applicant : VIDEOCOLOR, A FRENCH COMPANY, OF 7, BOULEVARD ROMAIN ROLLAND, 92128 MONTROUGE, FRANCE.

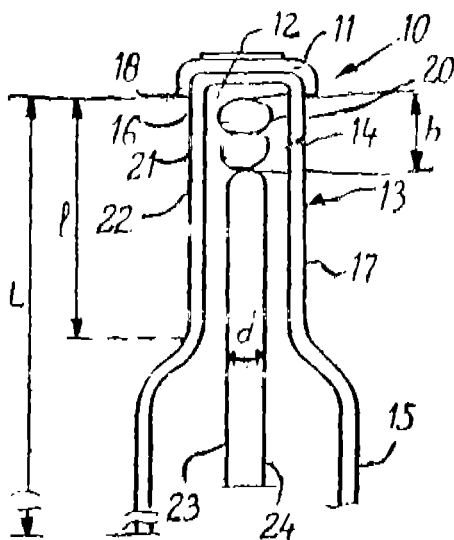
Inventor : MARYVONNE PENELON.

Application for Patent No. 869/Del/86 filed on 1st October, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

An electron gun for a cathode ray tube particularly a color television tube with perforated mask and three in-line guns, said electron gun having a cathode with an emissive surface (10) at the end of a cylindrical sleeve (13), a heating filament (14) located in said sleeve (13), said heating filament (14) having a resistance wire (26) and lugs (23, 24) for connection to an electric energy supply, said resistance wire (26) being spirally wound resistant wire having elementary turns (30), an active portion (20) of said heating filament (14) comprising at least one turn (21, 22) and said connecting lugs (23, 24) having a core of a low electric resistance metal which is located with respect to said turns (30) in order to short circuit the elementary turns (30) of the spirally wound resistant wire.



Compl. specification 11 pages

Drg. 1 sheet

CANCELLATION OF THE REGISTRATION OF DESIGN (SECTION 51A)

An application has been made by National Research Development Corporation of India for cancellation to the registration of Design No. 159487 in Class 3 in the name of Smt. Sudha Nagendra K.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161353. Batra Morluck Printing Systems Private Limited. An Indian Company, R-42/3-Okhla Industrial Area, Phase-II, New Delhi-110029. India. "Pad Printing Machine". 1st September, 1989.

Class 1. No. 161482. M/s. Ajmal & Sons, a registered Partnership firm. "Incense burner". 4th October, 1989.

Class 1. Nos. 161516 & 161517. Sanarti International, S 158-Greater Kailash, Part II, New Delhi-110048, India, An Indian Partnership Concern. "Electronic Lantern". 12th October, 1989.

Class 1. No. 161551. Indian Institute of Science, of Bangalore, 560 012, Karnataka, India, an Indian Institution. "Computer Trainer Kit". 23rd October, 1989.

Class 1. No. 161588. Grafica Display Company, an Indian Partnership concern of 86. Mathuradas Visanji Road, Near Darpan Cinema Andheri East, Bombay-400 093, Maharashtra, India. "Frame". 9th November, 1989.

Class 3. No. 161361. Daffodils Perfumes & Chemical Industries, A 7/9 Rana Pratap Bagh, Delhi-110007, (India), an Indian Partnership firm. "Brush". 5th September, 1989.

Class 3. No. 161375. Reva Process Engravers, Reva Estate, Near Sadhana Soap, S. V. Road, Oshiwara Bridge, Jogeshwari (W), Bombay-400102, Maharashtra, India, an Indian Partnership firm. "Container". 7th September, 1989.

Class 3. No. 161390. Abdul Aziz, Indian Nationality, carrying on business as Proprietor of Multi Products (India) at 1/11c, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India, "a Clip for electric Fitting (Small)". 8th September, 1989.

Class 3. No. 161391. Abdul Aziz, an adult, Indian Nationality carrying on business as Proprietor of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay 400 007, Maharashtra, India. "a Clip for Electric Fitting (Regular)". 8th September, 1989.

Class 3. No. 161464. Minni Trading Corporation, 5-B, Kanchan Villa, Goraswadi, Malad (West), Bombay-64, Maharashtra, India, an Indian Partnership firm. "Cap". 25th September, 1989.

Class 3. No. 161474. Plasmac Industries, a Registered Indian Partnership Firm. "Pen Set Box". 27th September, 1989.

Class 3. No. 161477. International Business Machines Corporation, a Corporation organised and existing under the laws of the State of New York, United States of America, of Armonk, New York 10504, United States of America. "a Cartridge Unit for Printer". Reciprocity date is 20th July, 1989 (U.K.).

Class 3. No. 161478. International Business Machines Corporation, a Corporation organised and existing under the laws of the State of New York, United States of America, of Armonk, New York 10504, United States of America. "a Printer". Reciprocity date is 2nd August, 1989 (U.K.).

Class 3. No. 161481. Jil Plastic, Prop. Jagatjit Industries Limited, A company incorporated under the Companies Act, 9th Floor, Ashoka Estate, 24-Barakhamba Road, New Delhi-110001, India. "Bottle". 4th October, 1989.

Class 3. No. 161535. Metro Tyres Limited, B-27, Focal Point, Ludhiana-10. (Punjab), India (an Indian Company duly registered under the Companies Act, 1956) of the above address. "Tyre for Tractor". 16th October, 1989.

Class 3. No. 161566. Omkar (India) Limited, Regd. Office: 597, New Cloth Market, Ahmedabad-Gujarat, India, Pin-380002, a company incorporated under the Companies Act, 1956. "Containers". 25th October, 1989.

Class 3. No. 161616. Shakir Patel, Indian National, of Fernhill Laboratory and Industries, at M.B.

House, 4th floor, 79 Ghoga Street, Fort, Bombay-400 001, State of Maharashtra, India. "Atomiser". 22nd November, 1989.

Bengal, India, an Indian Company. "a sole for the footwear". 6th October, 1989.

Class 3. No. 161646. Interlego A.G., a Swiss company of Sihlbruggstrasse 3, CH-6340 Baar, Switzerland. "Toy building Element". 29th November, 1989.

Copyright Extended for the Second Period of five years

Nos. 155763, 155764, 155765. Class 1.

Nos. 155762, 155888. Class 3.

Class 10. No. 161402. Bata India Limited, 30, Shakespeare Sarani, Calcutta 700 017, West Bengal, India, an Indian Company. "a sole for the footwear". 11th September, 1989.

Copyright Extended for the Third Period of five years.

No. 155888. Class 3.

Class 10. Nos. 161487 to 161496. Bata India Limited, 30, Shakespeare Sarani, Calcutta 700 017, West

R. A. ACHARYA
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